



Qy	301	TATGAGATGTGCGCAACTACCCCTTCTTGTTCGGGCTGCTACTTCAGAGC	360	Db	214	GCCCCAGAGAGAGCTGTTCATGCCCATCTGGCACATACTGGTGTATCTCGTG	273
Db	310	TATGAGATGTGCGCAACTACCCCTTCTTGTTCGGGCTGCTACTTCAGAGC	369	Qy	163	GGGGGTCAATGGATGTCTGGCTGTTCTGGCTGTTCTGGCTGTTCTGGCT	222
Qy	361	GCCTCTTGAGACCGTGTGGTCTGGCTCATCCCTGGCTGACTTCAGAGC	420	Db	274	GGGGCTGGCTGGGAAATGGCTGCTGCTGGCTGCTGCTGCTGCTGCTGCTG	333
Db	370	GCCTCTTGAGACCGTGTGGCTCATCCCTGGCTGACTTCAGAGC	429	Qy	223	ACGCCAACAACTACTACCTCTAACCTCTGGCTGCTGCTGCTGCTGCTG	282
Qy	421	CCTACTGGCCATCCPAACCCGTTGGCCAAACTGGAGAACCCGGCC	480	Db	334	ACGCCAACAACTACTACCTCTAACCTCTGGCTGCTGCTGCTGCTG	393
Db	430	CCTACTGGCCATCCPAACCCGTTGGCCAAACTGGAGAACCCGGCC	489	Qy	283	GGATGCCCTGGAGGCTCTAGAGATGGGGCAACTACCCCTTCTGGCTG	342
Qy	481	CTCAGGATCTGGCATGGCTCTGGACTCTCCGGTCTCTCCGGCAAC	540	Db	394	GGCTGCCCCTGGAGCTCTAGAGATGGGGCAACTACCCCTTCTGGCTG	453
Db	490	CTCAGGATCTGGCATGGCTCTGGACTCTCCGGCAAC	549	Qy	343	GGTGTGTAATCTAACAGGGGCTCTTGTGAGCCGTTGCTGCTC	402
Qy	541	ATCCATGGCATGGCTCAAGTCATACTTCAGGCTCTGGTCCAGGTC	600	Db	454	GGTGTGTAATCTGGAGGCTACTGTTGAGTGGCTGCTGCTGCTG	513
Db	550	ATCCATGGCATGGCTCAAGTCATACTTCAGGCTCTGGTCCAGGTC	609	Qy	403	ACCACCTCAGGGGAGGCTACGGGCTACCTGGCCAAACTGGCAG	462
Qy	601	TGTACGGTCACTAGCCATGGGATCTACATTCTCCAGGTCACTCTCC	660	Db	514	ACTGCCTTGAAGCTGAGACGTATGGCCCTGGTACCTAGGTCATG	573
Db	610	TGTACGGTCACTAGCCATGGGATCTACATTCTCCAGGTCACTCTCC	669	Qy	463	AGCACCGGGGCGGGCCCTAGGATCTGGCATGTCCTGGGCTTCTCGT	522
Qy	661	TCTTACCTCTCCCATGACTGTCATCAAGTGTCTCTACTACCTCATGG	720	Db	574	GTCAGGGGCCATGGGGGAGGCTCTGGGCTCTGGGCTCTGGCTG	633
Db	670	TCTTACCTCTCCCATGACTGTCATCAAGTGTCTCTACTACCTCATGG	729	Qy	523	TCCCTGCCAAACCCATCTGGATCAAGTTCATCTCCAACTGGTCTG	582
Qy	721	A 721		Db	634	TCCCTGCCAAACCCATCTGGATCAAGTTCATCTCCAACTGGTCTG	693
Db	730	A 730		Qy	583	GTCGGAGTTGGCCACCTGTACGGTCACTAAGCCATGGATCTACAATT	642
Qy	643	CAGGTACCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	702	Db	754	CAGACCCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	813
Db	694	CAGACCCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	753	Qy	703	CTCATGGCACTCTGGATGAGTGTAG	722
Qy	814	CTCATGGCACTCTGGATGAGTGTAG	833	Db	814	CTCATGGCACTCTGGATGAGTGTAG	833
RESULT 3							
US-09-684-680-12							
Sequence 12, Application US/09666680							
Patent No. 6436703							
GENERAL INFORMATION:							
APPLICANT: Tang, Y. Tom							
APPLICANT: Liu, Chenghua							
APPLICANT: Zhou, Ping							
APPLICANT: Asundi, Vinod							
APPLICANT: Zhang, Jie							
APPLICANT: Wang, Jian-Rui							
APPLICANT: Xue, Aidong, J.							
APPLICANT: Xu, Chongjun							
APPLICANT: Drmanac, Radoje T.							
TITLE OF INVENTION: No. 6316703el Nucleic Acids and							
TITLE OF INVENTION: Polypeptides							
FILE REFERENCE: 790C1P2A							
CURRENT APPLICATION NUMBER: US/09/668,680							
CURRENT FILING DATE: 2000-09-22							
PRIOR APPLICATION NUMBER: 09/649,167							
PRIOR FILING DATE: 2000-08-23							
PRIOR FILING DATE: 2000-03-31							
NUMBER OF SEQ ID NOS: 13							
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SEQ ID NO: 12							
LENGTH: 1535							
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ORGANISM: Homo sapiens							
FEATURE: NAME/KEY: CDS							
LOCATION: (1)..(1338)							
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Best Local Similarity 66.0%; Pred. No. 1.5e-53; Indels 0; Gaps 0;							
Matches 409; Conservative 0; Mismatches 211; SEQ ID NOS: 294							
SOFTWARE: pt_FL_genes Version 3.1							
SEQ ID NO: 12							
LENGTH: 1212;							
TYPE: DNA							
ORGANISM: Homo sapiens							
FEATURE: NAME/KEY: CDS							
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Matches 408; Conservative 0; Mismatches 212; SEQ ID NOS: 294							
SOFTWARE: pt_FL_genes Version 3.1							
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FEATURE: NAME/KEY: CDS							
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Matches 409; Conservative 0; Mismatches 211; SEQ ID NOS: 294							
SOFTWARE: pt_FL_genes Version 3.1							
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ORGANISM: Homo sapiens							
FEATURE: NAME/KEY: CDS							
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Matches 409; Conservative 0; Mismatches 211; SEQ ID NOS: 294							
SOFTWARE: pt_FL_genes Version 3.1							
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FEATURE: NAME/KEY: CDS							
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Matches 409; Conservative 0; Mismatches 211; SEQ ID NOS: 294							
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TYPE: DNA							









TELEFAX: 732-594-4720  
 INQUIRIES: 732-594-4720  
 INTELLIGENET: 732-594-4720  
 INVENTION NUMBER: 9-077-675A-9  
 INVENTOR: Pao, Lee-Yuh  
 INVENTOR: Feighner, Scott C.  
 INVENTOR: Howard, Andrew D.  
 INVENTOR: Pong, Sheng-Shung  
 INVENTOR: Van Der Ploeg, Leonardus H. T.  
 TITLE OF INVENTION: RECEPTOR ASSAY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Merck & Co., Inc.  
 STREET: P.O. Box 20000, 126 E. Lincoln Ave.  
 CITY: Rahway  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,675A  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cucuzzo, Anna L.  
 REGISTRATION NUMBER: 42-452  
 REFERENCE/DOCKET NUMBER: 19590P  
 TELEPHONE: 732-564-5000  
 TELECOMMUNICATION INFORMATION:  
 ADDRESS: Merck & Co., Inc.  
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.



RESULT 14  
US-09-077-674-1  
Sequence 1, Application US/09077674  
Patent No. 6331314

GENERAL INFORMATION:

APPLICANT: Arena, Joseph P.  
APPLICANT: Cully, Doris P.  
APPLICANT: Feighner, Scott D.  
APPLICANT: Howard, Andrew D.  
APPLICANT: Liberator, Paul A.  
APPLICANT: Schaeffer, James M.  
APPLICANT: Van Der Ploeg, Leonardus

TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
CITY: Rahway  
STATE: NJ  
ZIP: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/077,674  
FILING DATE: 3-JUN-1998  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Coccuzzo, Anna L.

REGISTRATION NUMBER: 42,452  
REFERENCE/DOCKET NUMBER: 19589P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-1273  
TELEFAX: 732-594-1270

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 1063 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

RESULT 15  
US-09-077-675A-4  
Sequence 4, Application US/09077675A  
Patent No. 6242199

GENERAL INFORMATION:

APPLICANT: Pai, Lee-Yuh  
APPLICANT: Feighner, Scott C.  
APPLICANT: Howard, Andrew D.  
APPLICANT: Pong, Sheng Shung  
APPLICANT: Van Der Ploeg, Leonardus H. T.

TITLE OF INVENTION: RECEPTOR ASSAY

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ZIP: 07065-0900  
COMPUTER READABLE FORM:

ADDRESSSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/077,675  
FILING DATE: 3-JUN-1998  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Coccuzzo, Anna L.

FILING DATE: 3-JUN-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION  
NAME: Cucuzzo, Anna L.  
REGISTRATION NUMBER: 42  
REFERENCE/DOCKET NUMBER:  
TELECOMMUNICATION INFORMATION  
TELEPHONE: 732-594-1273  
TELEFAX: 732-594-4720  
TELEX:  
INFORMATION FOR SEQ ID NO:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1029 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

Search completed: February 13, 2004, 18:30:52  
Run time: 84 sec

GenCore version 5.1.6  
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OM nucleic - nucleic search, using SW mode!

Run on: February 13, 2004, 17:54:23 ; Search time 332 Seconds

(without alignment)  
 8088.459 Million cell updates/sec

Title: US-09-684-725-1

Perfect score: 729

Sequence: 1 atggaaaacttcagaatgc.....cactcaggttagttatctag 729

Scoring table: IDENTITY NUC  
 Gapop 10.0 , Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters:

4899406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	Description
C 1	729	100.0	801 11 US-09-782-974C-17 Sequence 17, App1
C 2	717.8	98.5	1239 15 US-10-225-567A-556 Sequence 556, App1
C 3	717.8	98.5	1248 13 US-10-417-920A-11 Sequence 11, App1
C 4	717.8	98.5	1248 13 US-10-272-933-11 Sequence 11, App1
C 5	717.8	98.5	1248 13 US-10-393-867-11 Sequence 96, App1
C 6	282.4	38.7	1349 12 US-10-240-145-96 Sequence 10, App1
C 7	282.4	38.7	1535 12 US-10-240-145-10 Sequence 12, App1
C 8	282.4	38.7	1535 15 US-10-146-119-12 Sequence 12, App1
C 9	282.4	38.7	1535 15 US-10-53-650-9 Sequence 9, App1
C 10	280.8	38.5	1212 13 US-10-108-168-13 Sequence 13, App1
C 11	280.8	38.5	1212 15 US-10-093-168-82 Sequence 82, App1
C 12	280.8	38.5	1212 15 US-10-291-385-113 Sequence 113, App1
C 13	280.8	38.5	1212 15 US-10-225-567A-539 Sequence 223, App1
C 14	280.8	38.5	1212 15 US-10-225-567A-539 Sequence 539, App1
C 15	280.8	38.5	1212 15 US-10-225-567A-539 Sequence 539, App1

The sequence is not present in the prior art.

RESULT 1  
 US-09-2974C-17/c  
 Sequence 17, Application US/09782974C  
 Publication No. US200300825341A1  
 GENERAL INFORMATION:  
 ; APPLICANT: Vogeli, Gabriel  
 ; ATTORNEY: Lind, Peter  
 ; ATTORNEY: Wood, Linda S.  
 ; ATTORNEY: Parodi, Luis A.  
 ; TITLE OF INVENTION: Novel G Protein Coupled Receptor  
 ; CURRENT APPLICATION NUMBER: US/09/782-974C  
 ; CURRENT FILING DATE: 2002-05-20  
 ; PRIOR APPLICATION NUMBER: 60/166,071  
 ; PRIOR FILING DATE: 1999-11-17  
 ; PRIOR APPLICATION NUMBER: 60/166,678  
 ; PRIOR FILING DATE: 1999-11-19  
 ; PRIOR APPLICATION NUMBER: 60/173,396  
 ; PRIOR FILING DATE: 1999-12-28  
 ; PRIOR APPLICATION NUMBER: 60/184,129  
 ; PRIOR FILING DATE: 2000-02-22  
 ; PRIOR APPLICATION NUMBER: 60/185,421  
 ; PRIOR FILING DATE: 2000-02-28  
 ; PRIOR APPLICATION NUMBER: 60/185,554  
 ; PRIOR FILING DATE: 2000-02-28  
 ; PRIOR APPLICATION NUMBER: 60/186,530  
 ; PRIOR FILING DATE: 2000-03-02  
 ; REMAINING PRIOR APPLICATION DATA REMOVED - SEE FILE WRAPPER OR PAM.  
 ; NUMBER OF SEQ ID NOS: 192  
 ; SOFTWARE: PatentIn Version 3.1  
 ; SEQ ID NO: 17  
 ; LENGTH: 801





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 63 ; PRIOR APPLICATION NUMBER: 60/136,436  
 64 ; PRIOR FILING DATE: 1999-05-28  
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 67 ; PRIOR APPLICATION NUMBER: 60/136,439  
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Qy 523 TCCCTTCCCACCAACAGGATCCATGGCATCAAGTCCACTACTTCCCAATEGGTCCCTG 582  
 Db 634 TCCCTTCCCACCAACAGGATCCATGGCATCAAGTCCACTACTTCCCAATEGGTCCCTG 693  
 Qy 583 GTCCCGAGTTGGGCCACCTGTACGGTCAATCAAGCCATGGATCTAACATTTCATATC 642  
 Db 694 GTGCCAGACTCAGCTGGTGTTCATGGCCCTCTAACATGGTAGTG 753  
 Qy 643 CAGGTACACMTCCTCTTCACTCTACTCTTCACTGTCATCACTGTCCTACTA 702  
 Db 754 CAGAACACGGGCGTCTTCATGGCCATGGCATCTGGCTGTCTACTG 813  
 Qy 703 CTCATGGCACTCAGAGTGAG 722  
 Db 814 CTCATGGCTGCGACTGGCG 833

RESULT 8  
 US-10-146-419-12  
 ; Sequence 12, Application US/10146419  
 ; PUBLIC INFORMATION:  
 ; APPLICANT: Tang, Y. Tom  
 ; APPLICANT: Liu, Chenghua  
 ; APPLICANT: Drmanac, Radoje T.  
 ; TITLE OF INVENTION: No. US20030087370A1el Nucleic Acids and  
 ; FILE REFERENCE: 790CIPADIV1  
 ; CURRENT FILING DATE: 2002-05-15  
 ; PRIOR APPLICATION NUMBER: 09/668,680  
 ; PRIOR FILING DATE: 2000-09-22  
 ; PRIOR APPLICATION NUMBER: 09/649,167  
 ; PRIOR FILING DATE: 2000-08-13  
 ; PRIOR APPLICATION NUMBER: 09/540,217  
 ; PRIOR FILING DATE: 2000-03-31  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Pt\_FL\_genes Version 2.0  
 ; SEQ ID NO: 12  
 ; LENGTH: 1535  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE: CDS  
 ; NAME/KEY: (1)...(1338)  
 ; LOCATION: (1)...(1338)  
 US-10-146-419-12

Query Match Score 38.7%; Pred. No. 1.9e-70; Length 1535;  
 Best Local Similarity 66.0%;保守性 0; Mismatches 211; Indels 0; Gaps 0;

Qy 103 GGACCTGGCGAGCCACTTCTCCCGTGTCTGTAATTTTGTG 162  
 Db 214 GGCCCCAGAGAGCTGGTCACTCCATCTGGTCACTCTGGTCACTCTGGT 273  
 Qy 163 GGGGGGCTCATGGCAATGTCCTGGTGTCTGGTCACTCTGGTGAAG 222  
 Db 274 GGGGGGGGGGGAGGTGTTGGCAATGGTGACTGGTCACTGGTCACTGGC 333  
 Qy 223 ACCCCACAACTACTACTCTTCAGGCTGGGGTCTCTGACCTCTGGCTCCTT 282  
 Db 334 ACCCTAACAACTACTACTCTTCAGCTGGCTGCTGGTCACTGGTGTCTGG 393  
 Qy 283 GGATGGCCCTGGAGGTGTTGGATGACCGCTGATGAGTGGCCATGGTGTG 342  
 Db 394 GGCTGCTGCCTGGAGGTGTTGGATGACCGCTGCTGGCTGCTGGTGTG 453  
 Qy 343 GGTGCACTCTAAGACGGCCCTGGAGGTGTTGGATGACCGCTGCTGGTGTG 402  
 Db 454 GGTGCTTTCGGCACTCTGGTGAATGGTGTGCTGGCTGCTGGTGTG 513  
 Qy 403 ACCACCGTCAAGCGTGGCTGAGTGGCCATCTAACCCGTTGGCCAAACTGAG 462

RESULT 9  
 US-10-146-123-12  
 ; Sequence 12, Application US/10146123  
 ; Publication No. US20030092112A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tang, Y. Tom  
 ; APPLICANT: Liu, Chenghua  
 ; APPLICANT: Zhang, Jie  
 ; APPLICANT: Drmanac, Radoje T.  
 ; TITLE OF INVENTION: No. US20030092112A1el Nucleic Acids and  
 ; TITLE OF INVENTION: Polypeptides  
 ; FILE REFERENCE: 790CIPADIV2  
 ; CURRENT APPLICATION NUMBER: US/10/146,123  
 ; CURRENT FILING DATE: 2002-05-15  
 ; PRIOR APPLICATION NUMBER: 09/668,680  
 ; PRIOR FILING DATE: 2000-09-22  
 ; PRIOR APPLICATION NUMBER: 09/649,167  
 ; PRIOR FILING DATE: 2000-08-23  
 ; PRIOR APPLICATION NUMBER: 09/540,217  
 ; PRIOR FILING DATE: 2000-03-31  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Pt\_FL\_genes Version 2.0  
 ; SEQ ID NO: 12  
 ; LENGTH: 1535  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE: CDS  
 ; NAME/KEY: (1)...(1338)  
 ; LOCATION: (1)...(1338)  
 US-10-146-123-12

Query Match Score 38.7%; Pred. No. 1.9e-70; Length 1535;  
 Best Local Similarity 66.0%;保守性 0; Mismatches 211; Indels 0; Gaps 0;

Qy 103 GGACCTGGCGAGCCACTTCTCCCGTGTCTGGTCACTCTGGTCACTCTGGT 162  
 Db 214 GGCCCCAGAGAGCTGGTCACTCCATCTGGTCACTCTGGTCACTCTGGT 273  
 Qy 163 GGGGGGCTCATGGCAATGTCCTGGTGTCTGGTCACTCTGGTGAAG 222  
 Db 274 GGGGGGGGGGGAGGTGTTGGCAATGGTGACTGGTCACTGGTCACTGGC 333  
 Qy 223 ACCCCACAACTACTACTCTTCAGGCTGGGGTCTCTGACCTCTGGCTCCTT 282  
 Db 334 ACCCTAACAACTACTACTCTTCAGCTGGCTGCTGGTCACTGGTGTCTGG 393  
 Qy 283 GGATGGCCCTGGAGGTGTTGGATGACCGCTGATGAGTGGCCATGGTGTG 342  
 Db 394 GGCTGCTGCCTGGAGGTGTTGGATGACCGCTGCTGGCTGCTGGTGTG 453  
 Qy 343 GGTGCACTCTAAGACGGCCCTGGAGGTGTTGGATGACCGCTGCTGGTGTG 402  
 Db 454 GGTGCTTTCGGCACTCTGGTGAATGGTGTGCTGGCTGCTGGTGTG 513  
 Qy 403 GGATGGCCCTGGAGGTGTTGGATGACCGCTGCTGGCTGCTGGCTGCTGGTGTG 342

PRIOR APPLICATION NUMBER: 60/404, 904 ; PRIOR APPLICATION NUMBER: 60/404, 904  
; PRIOR FILING DATE: 2002-08-21 ; PRIOR FILING DATE: 2002-08-21  
; PRIOR APPLICATION NUMBER: 60/405, 450 ; PRIOR APPLICATION NUMBER: 60/405, 450  
; PRIOR FILING DATE: 2002-08-23 ; PRIOR FILING DATE: 2002-08-23  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 126 ; NUMBER OF SEQ ID NOS: 126  
; SOFTWARE: FastSEQ for Windows Version 4.0 ; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 9 ; SEQ ID NO: 9  
; LENGTH: 1212 ; LENGTH: 1212  
; TYPE: DNA ; TYPE: DNA  
; ORGANISM: Homo Sapiens ; ORGANISM: Homo Sapiens

US-10-353-630-9

Query Match 38.5%; Score 280.8; DB 13; Length 1212;  
Best Local Similarity 65.8%; Pred. No. 5.1e-70; Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

Qy 103 GGACCTCGGGCGAGCACACTTCTTCCTCCATCCCCTGCTGTGCTATGGCCAATTGTTGTTG 162  
Db 88 GGCCCCAGCAGAGCTGTATCCCATCTGTGCTGATCTGTGCTG 147

Qy 163 GTGGGGTCACTGGAAATGTCCTGGGATTCTGAGGACAGCTATGAAG 222  
Db 148 GTGGGGTGTGGCCATGGGTGACCTGGCTGCTGTTGCTG 282

Qy 223 ACGGCCACCAACTACTAACCTCTTCAAGTCATGTCCTCTACTAC 207  
Db 208 ACGCTACCAACTACTACCTCTCACTGGCTGGGACTGTCGGGTG 267

Qy 283 GGATGGCCCTGGAGCTTAAAGATGGCCAACTACCCCTTCTCTGGGGCGGTG 342  
Db 268 GGCTTGCCCTGGAGCTTCAAGATGGCCATCTGGCTGGCTGGTTGGT 327

Qy 343 GGCTGCTACTCAAGAGGCCCTCTTGAGACCTCTGCTGCTCAGATC 402  
Db 328 GGCTGCTATTCGGCCTACTGTGTTAGATGTTGGCTGGCCCTAGTGTCAAGTGC 387

Qy 403 ACCACCGTCAAGGTGGAGCGCTACGTCGGCCATCTAACCCGGTGTGCTGCTCAGTGTCAAGTGC 462  
Db 388 ACTGGCTAGGCTGAGCTGAGCTGATGGCCGNGTGGACCCACTCAAGGCCATGGTCAAGTGC 447

Qy 463 AGACCCGGCCGGCCATGGCTGGATCTGGGTCTCGGGCTCTGGCTTC 522  
Db 448 GTGAGCGGGGGGGATGGCTGGGGCTCTGGGTCTGGCTGGCTGC 507

Qy 523 TCCCTGGCCAACACAGGATCATGGATCAAGTTCACATTTCCCAATGGTCTCTGGCTTC 582  
Db 508 TCCCTGGCCAACACAGGATCATGGATCAAGTTCACATTTCCCAATGGTCTCTGGCTTC 567

Qy 583 GTCCAGGTTGGCCACCTGTACGTCAAGCCATGTACATTAATTCATCATC 642  
Db 568 GTGCGAGACTGAGCTGGTGTGATGCTGGTCCGGGCTCATACAAATGGTAGTG 627

Qy 643 CAGTCACTCCCTTACCTCCATGGCTCCATGCTGCTCTACTAC 702  
Db 628 CAGACACGGCTGGTCTCTGGCCATGGCCATGGCTGCTCTGGCT 687

RESULT 11  
US-10-353-630-9

; Sequence 9, Application US/10353690  
; Publication No. US20030215840A1

; GENERAL INFORMATION:  
; APPLICANT: Logan, Thomas Joseph  
; APPLICANT: Chun, Miyoung  
; APPLICANT: Galvin, Katherine M.  
; APPLICANT: Healy, Aileen  
; APPLICANT: Acton, Susan L.  
; APPLICANT: Donoghue, Mary  
; APPLICANT: Stagliano, Nancy  
; APPLICANT: Perdini, Jacqueline  
; APPLICANT: Rodriguez-Way, Amelie

; TITLE OF INVENTION: Cardiovascular methods and compositions for treating cardiovascular disease using 1,682, 6169, 6193, 7771, 14395  
; TITLE OF INVENTION: 2,002, 4321, 69292, 2422, 747, 1720,  
; TITLE OF INVENTION: 9,151, 60491, 1371, 7077, 33207, 14,9, 18036, 16105, 38650,  
; TITLE OF INVENTION: 14,245, 58484, 1870, 25856, 32394, 3484, 345, 9252, 9158,  
; TITLE OF INVENTION: 10,532, 18610, 815, 2448, 2445, 64624, 84237, 8912, 2468,  
; TITLE OF INVENTION: 283, 2554, 9,464, 17,799, 26,686, 43,848, 32,135, 12,208, 2914,  
; TITLE OF INVENTION: 5,113, 19,489, 2,183, 2917, 5,9590, 15,992, 2,094,  
; TITLE OF INVENTION: 9,792, 15,400, 1,452 or 6,585 molecules  
; FILE REFERENCE: MP102-01B1P1NONNM  
; CURRENT APPLICATION NUMBER: US/10/353, 690  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: 60/353, 224  
; PRIOR FILING DATE: 2002-02-01  
; PRIOR APPLICATION NUMBER: 60/364, 529  
; PRIOR FILING DATE: 2002-03-15  
; PRIOR APPLICATION NUMBER: 60/373, 861  
; PRIOR FILING DATE: 2002-04-19  
; PRIOR APPLICATION NUMBER: 60/376, 287  
; PRIOR FILING DATE: 2002-04-29  
; PRIOR APPLICATION NUMBER: 60/388, 080  
; PRIOR FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: 60/390, 971  
; PRIOR FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: 60/394, 130  
; PRIOR FILING DATE: 2002-07-03  
; PRIOR APPLICATION NUMBER: 60/394, 797  
; PRIOR FILING DATE: 2002-07-10

RESULT 11  
US-10-083-168-13  
; Sequence 13, Application US/10083168  
; GENERAL INFORMATION:  
; Publication No. US2003023069A1  
; APPLICANT: Liaw, Chen W.  
; APPLICANT: Chalmers, Derek T.  
; APPLICANT: Behan, Dominic P.  
; APPLICANT: Maciejewski-Lenior, Dominique  
; APPLICANT: Leonard, James N.  
; APPLICANT: Ortuno, Daniel



APPLICANT: Liaw, Chen W.  
 TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G  
 TITLE OF INVENTION: Protein-Coupled  
 TITLE OF INVENTION: Receptors  
 FILE REFERENCE: AREN-0040  
 CURRENT APPLICATION NUMBER: US/10/251,385  
 CURRENT FILING DATE: 2002-09-20  
 PRIOR APPLICATION NUMBER: US/09/170,496  
 PRIOR FILING DATE: 1998-10-13  
 NUMBER OF SEQ ID NOS: 294  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 113  
 LENGTH: 1212  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-251-385-113

Query Match 38.5%; Score 280.8; DB 15; Length 1212;  
 Best Local Similarity 65.8%; Pred. No. 5.1e-70;  
 Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;  
 Query 103 GGACCTCGGCCAGCCACTCTTCCCCTGCTGGATGTGCCAATTTTTG 162  
 Db 88 GGGCCCAAGGAGACAGGCTTTATGCCCATCTTGCTCGATTCGG 147  
 Query 163 GTGGGGTCTATTGGCATTTGGATCTGGCTGGATCTGGCCACAGGTTATGAG 222  
 Db 148 GTGGGGCTGGGCAATGGCTGACCTTGTGTCATCTGGCTGAGGCC 207  
 Query 223 AGCCCCAACAACTACTACCTCTTCAAGCTGGGGTCTCTGGCTGGCTCC 282  
 Db 208 AGCCCTACAACTACTACCTCTTCAAGCTGGGGTCTCTGGCTGGCTGG 267  
 Query 283 GGAATGCCCTGGAGGTCTATGAGATGGGGCAACTACCTTTTGTGGCC 342  
 Db 268 GGCTTGCCCTGGAGGTCTATGAGATGGGGCAACTACCTTTTGTGGCC 327  
 Query 343 GGCTGTACTTAAAGAGGGCCCTCTGGCTGCTCCTCACATC 402  
 Db 328 GGCTGCTTTCGCACTACTGGTGTGGCTCAGTGGCTCAACGTC 387  
 Query 403 ACCACCTTACGGTGGCTGGCAACTGGCCATCTGGCAAACTGCG 462  
 Db 388 ACTGCCTGAGGTGAGCTATGGCTGGCTGGCACTGGCACTGGCT 447  
 Query 463 AGCACCCGGGCGGGCCCTAGGATCTGGCATCTGGCTGGCTCTTC 522  
 Db 448 GTGACGGGGCCCATGGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGC 507  
 Query 523 TCCCTGCCAAACCAAGGATCTGGCATCAAGTTCATACTTCCC 582  
 Db 508 TCCCTGCCAAACCAAGGATCTGGCATCAAGTTCATACTTCCC 567  
 Query 583 GTGCCAGGTGGCCACCTGAGGCTCATCAAGGCCATGGATCTACATC 642  
 Db 568 GTGCCAGACTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 627  
 Query 643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702  
 Db 628 CAGACCCGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 687  
 Query 703 CTCATGGCACTCAAGATGAG 722  
 Db 688 CTCATGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 707

Query Match 38.5%; Score 280.8; DB 15; Length 1212;  
 Best Local Similarity 65.8%; Pred. No. 5.1e-70;  
 Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;  
 Query 103 GGACCTCGGCCAGCCACTCTTCCCCTGCTGGATGTGCCAATTTTTG 162  
 Db 88 GGGCCCAAGGAGACAGGCTTTATGCCCATCTTGCTCGATTCGG 147  
 Query 163 GTGGGGTCTATTGGCATTTGGATCTGGCTGGATCTGGCCACAGGTTATGAG 222  
 Db 148 GTGGGGCTGGGCAATGGCTGACCTTGTGTCATCTGGCTGAGGCC 207  
 Query 223 AGCCCCAACAACTACTACCTCTTCAAGCTGGGGTCTCTGGCTGGCTCC 282  
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 Query 283 GGAATGCCCTGGAGGTCTATGAGATGGGGCAACTACCTTTTGTGGCC 342  
 Db 268 GGCTTGCCCTGGAGGTCTATGAGATGGGGCAACTACCTTTTGTGGCC 327  
 Query 343 GGCTGTACTTAAAGAGGGCCCTCTGGCTGCTCCTCACATC 402  
 Db 328 GGCTGCTTTCGCACTACTGGTGTGGCTCAGTGGCTCAACGTC 387  
 Query 403 ACCACCTTACGGTGGCTGGCAACTGGCCATCTGGCAAACTGCG 462  
 Db 388 ACTGCCTGAGGTGAGCTATGGCTGGCTGGCACTGGCACTGGCT 447  
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 Db 448 GTGACGGGGCCCATGGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGC 507  
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 Query 583 GTGCCAGGTGGCCACCTGAGGCTCATCAAGGCCATGGATCTACATC 642  
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RESULT 14  
 US-10-251-385-223  
 ; Sequence 223, Application US/10251385  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Behan, Dominic P.  
 ; APPLICANT: Chalmers, Derek T.

RESULT 15  
 US-10-251-567A-539  
 ; Sequence 539, Application US/10225567A  
 ; Publication No. US20030113798A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lifespan Biosciences  
 ; APPLICANT: Brown, Joseph P.



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### OM protein - protein search, using SW model.

Run on: February 13, 2004, 19:36:13 ; Search time 74 Seconds  
 (without alignments)

684.737 Million cell updates/sec

Title: US-09-684-725-2

Perfect score: 1263

Sequence: 1 MEKLNASWYQQKLQEDPFQ.....LLPMTVISVYIYLMALRVSI 242

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters:

801455

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA,\*

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2: /cgcn2\_6\_ptodata/1/pubbaa/PCM\_New\_PUB.pep:\*

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17: /cgcn2\_6\_ptodata/1/pubbaa/US60\_NEW\_PUB.pep:\*

18: /cgcn2\_6\_ptodata/1/pubbaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1252	99.1	249 11 US-09-782-974C-18	Sequence 18, APP1
2	1252	99.1	412 15 US-10-225-5675-557	Sequence 557, APP1
3	1252	99.1	415 12 US-10-272-983-12	Sequence 12, APP1
4	1252	99.1	415 12 US-10-39-807-12	Sequence 12, APP1
5	1252	99.1	415 12 US-10-41-820A-12	Sequence 12, APP1
6	680.5	53.9	403 12 US-10-353-690-10	Sequence 10, APP1
7	680.5	53.9	403 15 US-10-251-385-114	Sequence 114, APP1
8	680.5	53.9	403 15 US-10-251-385-224	Sequence 224, APP1
9	680.5	53.9	403 15 US-10-225-567A-540	Sequence 540, APP1
10	680.5	53.9	403 15 US-10-290-078-18	Sequence 18, APP1
11	677.5	53.6	445 12 US-10-240-145-53	Sequence 53, APP1
12	677.5	53.6	445 12 US-10-240-145-139	Sequence 139, APP1
13	418	33.1	419 9 US-09-804-551B-26	Sequence 26, APP1
14	418	33.1	428 15 US-10-270-333-114	Sequence 114, APP1
15	352	27.9	595 12 US-10-314-076-17	Sequence 17, APP1

LENGTH: 249

Sequence 195, APP1  
 Sequence 192, APP1  
 Sequence 28, APP1  
 Sequence 2, APP1  
 Sequence 130, APP1  
 Sequence 150, APP1  
 Sequence 473, APP1  
 Sequence 15, APP1  
 Sequence 6848, APP1  
 Sequence 535, APP1  
 Sequence 207, APP1  
 Sequence 5319, APP1  
 Sequence 21, APP1  
 Sequence 10, APP1  
 Sequence 140, APP1  
 Sequence 8, APP1  
 Sequence 3, APP1  
 Sequence 88, APP1  
 Sequence 21, APP1  
 Sequence 3, APP1  
 Sequence 16, APP1  
 Sequence 5, APP1  
 Sequence 4, APP1  
 Sequence 33, APP1  
 Sequence 23, APP1  
 Sequence 23, APP1  
 Sequence 38, APP1  
 Sequence 7, APP1  
 Sequence 14, APP1

### ALIGNMENTS

RESULT 1  
 US-09-782-974C-18  
 ; Sequence 18, Application US/09782974C  
 ; General Information: US20030082534A1  
 ; Applicant: Vogeil, Gabriel  
 ; Applicant: Lind, Peter S.  
 ; Applicant: Wood, Linda S.  
 ; Applicant: Parodi, Luis A.  
 ; Title of Invention: G Protein Coupled Receptor  
 ; File Reference: 411USPHRM311  
 ; Current Application Number: US/09/782,974C  
 ; Prior Filing Date: 2002-09-04  
 ; Prior Application Number: 60/155,838  
 ; Prior Filing Date: 1999-11-16  
 ; Prior Application Number: 09/714,449  
 ; Prior Filing Date: 2000-11-16  
 ; Prior Application Number: 60/138,566  
 ; Prior Filing Date: 1999-11-17  
 ; Prior Application Number: 60/166,678  
 ; Prior Filing Date: 1999-11-19  
 ; Prior Application Number: 60/173,396  
 ; Prior Filing Date: 1999-12-28  
 ; Prior Application Number: 60/184,129  
 ; Prior Filing Date: 2000-02-22  
 ; Prior Application Number: 60/185,421  
 ; Prior Filing Date: 2000-02-28  
 ; Prior Application Number: 60/185,554  
 ; Prior Filing Date: 2000-02-28  
 ; Prior Application Number: 60/186,530  
 ; Prior Filing Date: 2000-03-02  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; Number of SEQ ID NOS: 192  
 ; Software: Patent in version 3.1  
 ; SEQ ID NO 18

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-782-974C-18

Query Match 99.1%; Score 1252; DB 11; Length 249;
Best Local Similarity 99.2%; Pred. No. 1; e-116;
Matches 240; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
1 MEKLQNASWYQQKLEDPFQKHNLNSTEYLAFICGPRSHFFPLFVSVVYVPFLFVGVIGN 60
3 MEKLQNASWYQQKLEDPFQKHNLNSTEYLAFICGPRSHFFPLFVSVVYVPFLFVGVIGN 62
61 VLVCIVLVLQHAKMKTPTNLYLFSLAVSDILVLLGMPLVEMWNRNPFLFGPGCYFKT 120
63 VLVCIVLVLQHAKMKTPTNLYLFSLAVSDILVLLGMPLVEMWNRNPFLFGPGCYFKT 122
121 ALFETVCFASILSITTVSVERYVAILHPRAKLQSTRRRALRIGLIVWGFSYLFSLPNTS 180
123 ALFETVCFASILSITTVSVERYVAILHPRAKLQSTRRRALRIGLIVWGFSYLFSLPNTS 182
Db Qy 181 IHGKPHYPNGSLVPGSATCTVTKPMWYNEIIQVTSFLFVLPMTVIVLYLMALRV 240
Db Qy 183 IHGKPHYPNGSLVPGSATCTVTKPMWYNEIIQVTSFLFVLPMTVIVLYLMALRV 242
124 SI 242
Db 241 SI 243
Db 243 SI 244

RESULT 2
US-10-225-567A-557
; Sequence 557 Application US/10225567A
; Publication No. US20000113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 557
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-557

Query Match 99.1%; Score 1252; DB 15; Length 412;
Best Local Similarity 99.6%; Pred. No. 2; e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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1 MEKLQNASWYQQKLEDPFQKHNLNSTEYLAFICGPRSHFFPLFVSVVYVPFLFVGVIGN 60
61 VLVCIVLVLQHAKMKTPTNLYLFSLAVSDILVLLGMPLVEMWNRNPFLFGPGCYFKT 120
61 VLVCIVLVLQHAKMKTPTNLYLFSLAVSDILVLLGMPLVEMWNRNPFLFGPGCYFKT 120
121 ALFETVCFASILSITTVSVERYVAILHPRAKLQSTRRRALRIGLIVWGFSYLFSLPNTS 180
121 ALFETVCFASILSITTVSVERYVAILHPRAKLQSTRRRALRIGLIVWGFSYLFSLPNTS 180
181 IHGKPHYPNGSLVPGSATCTVKEMWYNEIIQVTSFLFVLPMTVIVLYLMALRV 240
181 IHGKPHYPNGSLVPGSATCTVKEMWYNEIIQVTSFLFVLPMTVIVLYLMALRV 240

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RESULT <sup>3</sup>	US-10-272-983-12	Sequence 12, Application US/10272983
		; Publication No. US20030148450A1
		; GENERAL INFORMATION:
		; APPLICANT: Chen, Ruoping
		; Dang, Huong T.
		; Liaw, Chen W.
		; ATTORNEY/AGENT: Lin, I-jin
		; TITLE OF INVENTION: Human Orphan G
		; FILE REFERENCE: ARENO50
		; CURRENT APPLICATION NUMBER: US/10/2
		; CURRENT FILING DATE: 2002-10-17
		; PRIORITY APPLICATION NUMBER: US/09/417
		; PRIOR FILING DATE: 1999-10-12
		; PRIOR APPLICATION NUMBER: 60/109, 21
		; PRIOR FILING DATE: 1998-11-20
		; PRIOR APPLICATION NUMBER: 60/120, 41
		; PRIOR FILING DATE: 1999-02-16
		; PRIOR APPLICATION NUMBER: 60/121, 85
		; PRIOR FILING DATE: 1999-02-26
		; PRIOR APPLICATION NUMBER: 60/123, 94
		; PRIOR FILING DATE: 1999-03-12
		; PRIOR APPLICATION NUMBER: 60/123, 94
		; PRIOR FILING DATE: 1999-03-12
		; PRIOR APPLICATION NUMBER: 60/136, 43
		; PRIOR FILING DATE: 1999-05-28
		; PRIOR APPLICATION NUMBER: 60/136, 43
		; PRIOR FILING DATE: 1999-05-28
		; PRIOR APPLICATION NUMBER: 60/136, 43
		; PRIOR FILING DATE: 1999-05-28
		; PRIOR APPLICATION NUMBER: 60/136, 56
		; PRIOR FILING DATE: 1999-05-28
		; Remaining Prior Application data removed
		; NUMBER OF SEQ ID NOS: 74
		; SOFTWARE: PatentIn Ver. 2.1
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		; ORGANISM: Homo sapiens
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		Best Local Similarity 99.6%; Prod 99.6%
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Db	4	M E R L Q N A S W Y Q Q K L E D P F Q R H I N
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Db	64	V L V C L V I L Q H O A M K T P T N Y L F S I
Qy	121	A L F E T V C F A S T L S I T T V S V E R Y V A
Db	124	A L F E T V C F A S T L S I T T V S V E R Y V A
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; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID: NO: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 12
LENGTH: 415
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-12

Query Match          99.1%;  Score 1252;  DB 12;  Length 415;
Best Local Similarity 99.6%;  Pred. No. 2e-116;
Matches 239;  Conservative 1;  Mismatches 0;  Indels 0;  Gaps 0;

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Db      4 MEKLNASHMYQQKLEDPQKHUNSTEYLAFLCGRRSHEFFLPVSVYYVPFLFVVGVIGN 63

Qy      61 VLVCVLVLOHQAMKPTPNVYLFSIAVSIDLVLJLGMPLLEVEMRNYPFLGPVGCFKTI 120
Db      64 VLVCVLVLOHQAMKPTPNVYLFSIAVSIDLVLJLGMPLLEVEMRNYPFLGPVGCFKTI 123

Qy      121 ALFETTCFASILSITTVSVERVALIHPFKAKLQSTRRRLRIGTIVGFSYLSLSPNTS 180
Db      124 ALFETTCFASILSITTVSVERVALIHPFKAKLQSTRRRLRIGTIVGFSYLSLSPNTS 183

Qy      181 IHGKEPHYPNGSLVPGSATCTVKPMIYNFIQVTSFLYLLPMTVISVYLMALRV 240
Db      184 IHGKEPHYPNGSLVPGSATCTVKPMIYNFIQVTSFLYLLPMTVISVYLMALRV 243

RESULT 6
US-10-353-690-10
Sequence 10, Application US/10/33690
Publication No. US20030215840A1
GENERAL INFORMATION:
APPLICANT: Logan, Thomas Joseph
APPLICANT: Chun, Miyoung
APPLICANT: Galvin, Katherine M.
APPLICANT: Healy, Aileen
APPLICANT: Action, Susan L.
APPLICANT: Donegogue, Mary
APPLICANT: Stagliano, Nancy
APPLICANT: Perodin, Jacqueline
APPLICANT: Rodriguez-Way, Amelie
TITLE OF INVENTION: Methods and compositions for treating
cardiovascular disease using
TITLE OF INVENTION: 6169, 6193, 7771, 14
TITLE OF INVENTION: cardiovacular disease using
TITLE OF INVENTION: 32227, 2402, 7747, 1
TITLE OF INVENTION: 29002, 33216, 43726, 69242, 26156,
TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 386
TITLE OF INVENTION: 14245, 58848, 24395, 3484, 345, 9252, 9135
TITLE OF INVENTION: 10532, 18610, 8165, 2448, 24395, 64624, 84237, 8912, 286
TITLE OF INVENTION: 283, 2554, 9465, 1799, 26686, 43948, 32135, 12208, 291
TITLE OF INVENTION: 51130, 19489, 21833, 2917, 59590, 15992, 2094, 2252, 34
TITLE OF INVENTION: 9792, 15400, 1452 OR
FILE REFERENCE: MPI 02-018PRNONKIM
CURRENT APPLICATION NUMBER: US/10/353, 690
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: 60/353, 2242
PRIOR FILING DATE: 2002-02-01

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PRIOR APPLICATION NUMBER: 60/364,529  
 PRIOR FILING DATE: 2002-03-15  
 PRIOR APPLICATION NUMBER: 60/373,861  
 PRIOR FILING DATE: 2002-04-19  
 PRIOR APPLICATION NUMBER: 60/376,287  
 PRIOR FILING DATE: 2002-04-29  
 PRIOR APPLICATION NUMBER: 60/388,080  
 PRIOR FILING DATE: 2002-06-12  
 PRIOR APPLICATION NUMBER: 60/390,971  
 PRIOR FILING DATE: 2002-06-24  
 PRIOR APPLICATION NUMBER: 60/394,130  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/394,797  
 PRIOR FILING DATE: 2002-07-10  
 PRIOR APPLICATION NUMBER: 60/404,904  
 PRIOR FILING DATE: 2002-08-21  
 PRIOR APPLICATION NUMBER: 60/405,450  
 PRIOR FILING DATE: 2002-08-23  
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 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 10  
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 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-355-690-10

Query Match 53.9%; Score 680.5; DB 12; Length 403;  
 Best Local Similarity 56.0%; Pred. No. 1.8e-59;  
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 Db 71 PTNYYLFSLAVSDLVLQGMPLEYMWRNYPFLFGVGFKTAFLFETVCFASILSIT 130

Qy 136 TVSVTVERVYIHLHPFKALQSTRRRLIGIWMGSLPNTSINGIKFHYPNGSLV 195  
 Db 131 ALSVTVERVYIHLHPKALQSRMSVTRAHYRVLGAVGLAMLCSPNTSLHGTRQLHVPCRGPV 190

Qy 196 PGSATCTVKPKMWYNFIIQVTSDLFLYLLPMTVISVYLYMLRV 240  
 Db 191 PDSAVCMLVPRALYNMVQTALLFCPLMAIMSVYLYLIGRL 235

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RESULT 8  
 US-10-251-385-224  
 / Sequence 224, Application US/10251385  
 ; Publication No. US20030105292A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Behan, Dominic P.  
 ; ATTORNEY: Chalmers, Derek T.  
 ; APPLICANT: Liaw, Chen W.  
 ; TITLE OF INVENTION: Protein-Coupled Receptors  
 ; FILE REFERENCE: AREN-0040  
 ; CURRENT APPLICATION NUMBER: US/10-251,385  
 ; PRIORITY FILING DATE: 2002-09-20  
 ; NUMBER OF SEQ ID NOS: 294  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 224  
 ; LENGTH: 403  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-251-385-224

Query Match 53.9%; Score 680.5; DB 15; Length 403;  
 Best Local Similarity 56.0%; Pred. No. 1.8e-59;  
 Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

Qy 17 DPFQKHLNSTEYLAFL-CGPRRSHEFPLPVSVVYVPIFVGIVGNVLYCLVLQHQAMKT 75  
 Db 13 DP--EDNLNTEAIDLKYLGQPQTELMPICATYLLFVGVNGNLTCVLIRHQAART 70

Qy 76 PTNYYLFSLAVSDLVLQGMPLEYMWRNYPFLFGVGFKTAFLFETVCFASILSIT 135  
 Db 71 PTNYYLFSLAVSDLVLQGMPLEYMWRNYPFLFGVGFKTAFLFETVCFASILSIT 130

Qy 136 TVSVTVERVYIHLHPFKALQSTRRRLIGIWMGSLPNTSINGIKFHYPNGSLV 195  
 Db 131 ALSVTVERVYIHLHPKALQSRMSVTRAHYRVLGAVGLAMLCSPNTSLHGTRQLHVPCRGPV 190

Qy 196 PGSATCTVKPKMWYNFIIQVTSDLFLYLLPMTVISVYLYMLRV 240  
 Db 191 PDSAVCMLVPRALYNMVQTALLFCPLMAIMSVYLYLIGRL 235

---

RESULT 9  
 US-10-225-567A-540  
 / Sequence 540, Application US/10225567A  
 ; Publication No. US2003011378A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lifespan Biosciences  
 ; ATTORNEY: Brown, Joseph P.  
 ; APPLICANT: Burmer, Gienna C.

Query Match 53.9%; Score 680.5; DB 15; Length 403;  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 143  
 LENGTH: 403  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-251-385-114

APPLICANT: Roush, Christine L.  
 TITLE OF INVENTION: ANTAGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS  
 FILE REFERENCE: 1920-4-4  
 CURRENT APPLICATION NUMBER: US/10/225,567A  
 CURRENT FILING DATE: 2001-12-19  
 PRIOR FILING DATE: 2000-12-19  
 NUMBER OF SEQ ID NOS: 2292  
 SOFTWARE: Patentin version 3.1  
 SEQ ID NO: 540  
 LENGTH: 403  
 ORGANISM: Homo sapiens  
 US-10-225-567A-540

Query Match 53.9%; Score 680.5; DB 15; Length 403;  
 Best Local Similarity 56.0%; Pred. No. 1.8e-59; Indels 3; Gaps 2;  
 Matches 126; Conservative 42; Mismatches 51; Delins 3; Gaps 2;

Qy 17 DPFOQHLNSTBEYLAF-LCPRRSHFFLPVSVYVPIFVGIVGNVLVCLVILQHQAMKT 75  
 Db 13 DP - EDNLTDDEALRKYLGPOQTELFMPCATLILIFVGAVNGNLTCLVILRKAMRT 70

Qy 76 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 135  
 Db 71 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 130

Qy 136 TVSVERYVATHHPFKAKLQSTRRRALRILIGVNGFSVLSLPLNTSIHGKHFPGNSLV 195  
 Db 131 ALSVERYVATHHPFKAKLQSTRRRALRILIGVNGFSVLSLPLNTSIHGKHFPGNSLV 190

Qy 196 PGSATCTVIKPMWYINFIQTSFELYLPMTVISVLYLMARV 240  
 Db 191 PDSAVCMLVRPALARVNQMVQTALLFCPLMAIMSVLVLLIGRL 235

RESULT 10  
 US-10-290-07B-18  
 Sequence 1B, Application US/102900078  
 Publication No. US20030124396A1  
 GENERAL INFORMATION:  
 APPLICANT: Carroll, Joseph A.  
 TITLE OF INVENTION: Methods and Compositions for Treating  
 Hematological Disorders Using 232, 2059, 10630, 12848, 13875,  
 TITLE OF INVENTION: Hematological Disorders Using 232, 2059, 10630, 12848,  
 FILE REFERENCE: MP12001-288P (M)  
 CURRENT APPLICATION NUMBER: US/10/290,078  
 CURRENT FILING DATE: 2002-11-07  
 NUMBER OF SEQ ID NOS: 27  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 18  
 LENGTH: 403  
 ORGANISM: Homo Sapien  
 US-10-290-07B-18

Query Match 53.9%; Score 680.5; DB 15; Length 403;  
 Best Local Similarity 56.0%; Pred. No. 1.8e-59; Indels 3; Gaps 2;  
 Matches 126; Conservative 42; Mismatches 54; Delins 3; Gaps 2;

Qy 17 DPFOQHLNSTBEYLAF-LCPRRSHFFLPVSVYVPIFVGIVGNVLVCLVILQHQAMKT 75  
 Db 13 DP - EDNLTDDEALRKYLGPOQTELFMPCATLILIFVGAVNGNLTCLVILRKAMRT 70

Qy 76 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 135  
 Db 71 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 130

Qy 136 TVSVERYVATHHPFKAKLQSTRRRALRILIGVNGFSVLSLPLNTSIHGKHFPGNSLV 195  
 Db 131 ALSVERYVATHHPFKAKLQSTRRRALRILIGVNGFSVLSLPLNTSIHGKHFPGNSLV 190

Qy 196 PGSATCTVIKPMWYINFIQTSFELYLPMTVISVLYLMARV 240  
 Db 191 PDSAVCMLVRPALARVNQMVQTALLFCPLMAIMSVLVLLIGRL 235

RESULT 11  
 US-10-240-145-53  
 Sequence 53, Application US/10240145  
 Publication No. US2003023583A1  
 GENERAL INFORMATION:  
 APPLICANT: Hyseq, Inc  
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 FILE REFERENCE: 21272-048  
 CURRENT APPLICATION NUMBER: 09/540,217  
 PRIOR APPLICATION NUMBER: 2000-03-31  
 PRIOR FILING DATE: 2000-08-23  
 PRIOR APPLICATION NUMBER: 09/649,167  
 PRIOR FILING DATE: 2000-06-23  
 CURRENT APPLICATION NUMBER: US/10/240,145  
 CURRENT FILING DATE: 2002-09-27  
 PRIOR APPLICATION NUMBER: 09/540,217  
 PRIOR FILING DATE: 2000-03-31  
 PRIOR APPLICATION NUMBER: 09/649,167  
 PRIOR FILING DATE: 2000-09-27  
 CURRENT APPLICATION NUMBER: 09/540,217  
 PRIOR APPLICATION NUMBER: 09/649,167  
 PRIOR FILING DATE: 2000-10-23  
 PRIOR APPLICATION NUMBER: 09/728,711  
 PRIOR FILING DATE: 2000-11-30  
 PRIOR APPLICATION NUMBER: NOT YET ASSIGNED  
 PRIOR FILING DATE: 2000-03-14  
 NUMBER OF SEQ ID NOS: 172  
 SOFTWARE: Custom  
 SEQ ID NO: 53  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-240-145-53

Query Match 53.6%; Score 677.5; DB 12; Length 445;  
 Best Local Similarity 56.0%; Pred. No. 4e-59; Indels 3; Gaps 2;  
 Matches 126; Conservative 41; Mismatches 55; Delins 3; Gaps 2;

Qy 17 DPFOQHLNSTBEYLAF-LCGPRRSHEFLPVSVVTPIFVGIVGNVLVCLVILQHQAMKT 75  
 Db 55 DP - EDNLTDDEALRKYLGPOQTELFMPCATLILIFVGAVNGNLTCLVILRKAMRT 112

Qy 76 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 135  
 Db 113 PTNYYLFSLAVSDLVLLGMPLEYEMMRNYPFLFGCYPTKTALETFVCFASLSIT 135

Qy 136 TVSVERYVATHHPFKAKLQSTRRRALRILIGVNGFSVLSLPLNTSIHGKHFPGNSLV 195  
 Db 173 ALSVERYVATHPQLQRSMTYRAHYRVLGAWGLMLCSLPLNTSIHGKHFPGNSLV 232

Qy 196 PGSATCTVIKPMWYINFIQTSFELYLPMTVISVLYLMARV 240  
 Db 233 PDSAVCMLVRPALARVNQMVQTALLFCPLMAIMSVLVLLIGRL 277

RESULT 12  
 US-10-240-145-139  
 Sequence 139, Application US/10240145  
 Publication No. US2003023583A1  
 GENERAL INFORMATION:  
 APPLICANT: Hyseq, Inc  
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 FILE REFERENCE: 21272-048  
 CURRENT APPLICATION NUMBER: US/10/240,145  
 PRIOR APPLICATION NUMBER: 09/540,217  
 PRIOR FILING DATE: 2000-03-31  
 PRIOR APPLICATION NUMBER: 09/649,167  
 PRIOR FILING DATE: 2000-08-23  
 PRIOR APPLICATION NUMBER: 09/668,680  
 PRIOR FILING DATE: 2000-09-22  
 PRIOR APPLICATION NUMBER: 09/668,680  
 PRIOR FILING DATE: 2000-10-23

Qy 196 PGSATCTVIKPMWYINFIQTSFELYLPMTVISVLYLMARV 240

RESULT 14  
US-10-270-333-114  
Sequence 114, Application US/10270333  
; Sequence 114, Application No. US20030092124A1  
; GENERAL INFORMATION:  
; APPLICANT: Cravchik, Anatol  
; TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,  
; NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS  
; FILE REFERENCE: CLO0073CON  
; CURRENT APPLICATION NUMBER: US/10/270-333  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/168,677  
; PRIOR FILING DATE: 1999-12-03  
; PRIOR APPLICATION NUMBER: 60/175,691  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/191,638  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 198  
; SOFTWARE: FASTSEQ For Windows Version 4.0  
; SEQ ID NO 114  
; LENGTH: 428  
; TYPE: PRT  
; ORGANISM: Drosophila  
; US-10-270-333-114

Query Match 53.6%; Score 677.5; DB 12; Length 445;  
Best Local Similarity 56.0%; Pred. No. 4e-59;  
Matches 126; Conservative 41; Mismatches 55; Indels 3; Gaps 2;

Qy 17 DPQQKHINSTEYIILAF-LCPCRSHFFLPIPVSVVYVPLFVGVIGNVIVCLVILQHQAMKT 75  
Db 55 DP-EDLNLTDEALRKYLGPOOTELMPICATYLLIFVGAVGNGLTCIVLREKAMR 112  
Qy 76 PTNYYLFLSLAVSDPDLVLLGMPLVEYNWWRNPFLFOPVGCVFKTALFETVCFASLST 135  
Db 113 PTNYYLFLSLAVSDPDLVLLGMPLVEYNWWRNPFLFOPVGCVFKTALFETVCFASLST 172  
Qy 136 TYSVERVYIAHLPFRAKLQSTRRAILGTVWGFSTLFSLENTSIHGKIEHYFPNGSLV 195  
Db 173 ALSEVERVYAVVHPLQARIMVTAHVREVLVLAWGMLNCNLNTSLHGIQLHVPQRGPV 232  
Qy 196 PGSATCTVKPKMVIYNPFIQVTSPLFVLPMTVIVSYLYMALRV 240  
Db 233 PDSAVCMLVPPRALYNTVQTTALLFFCIPMAIMSVLYLIGLRL 277

RESULT 15  
US-09-804-551B-26  
Sequence 26, Application US/09804551B  
; Patent No. US20020056151A1  
; GENERAL INFORMATION:  
; APPLICANT: Bayer Aktiengesellschaft  
; TITLE OF INVENTION: Receptors for peptides from insects  
; FILE REFERENCE: Le A 34 394  
; CURRENT FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: DE 100 13 618 4  
; PRIOR FILING DATE: 2000-03-18  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 419  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; US-09-804-551B-26

Query Match 33.1%; Score 418; DB 9; Length 419;  
Best Local Similarity 40.9%; Pred. No. 2.7e-33;  
Matches 85; Conservative 49; Mismatches 62; Indels 12; Gaps 4;

Qy 35 GPRRS -HFPLPVSVVYVPLFVGVIGNVIVCLVILQHQAMKTPTNVLFSLAVSDLVL 92  
Db 11 GPPRPLATVTPVSVIIFITGVGNISTCIVKQRSMETATNTYLFSLAISDPLL 70  
Qy 93 LLGMPLEVYENWRNPFLFOPVGCVFKTALFETVCFASLSTTIVSYLYMALRV 212  
Db 131 AMSKLSRARIIVLWIVLAVTAPOAQFGIE-HY-----SGVEQQGIVRVVHSF 182  
Qy 213 IIQVTSEFLYLPMTVIVSYLYMALRV 240  
Db 183 --QLSTFFFLAPMSLILVWIMAIWVTLFQAAQFGIE-HY-----SGVEQQGIVRVVHSF 208

RESULT 15  
US-10-314-076-17  
Sequence 17, Application US/10314076  
; Publication No. US2003015297A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY34, AND VARIANTS /  
; FILE REFERENCE: D019NP  
; CURRENT APPLICATION NUMBER: US/10/314,076  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: U.S. 60/338,371  
; PRIOR FILING DATE: 2001-12-06  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 17  
; LENGTH: 595  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; US-10-314-076-17

Query Match 27.9%; Score 352; DB 12; Length 595;  
Best Local Similarity 37.9%; Pred. No. 1.6e-26;  
Matches 75; Conservative 43; Mismatches 66; Indels 14; Gaps 5;

Qy 213 IIQVTSEFLYLPMTVIVSYLYMALRV 240  
Db 183 --QLSTFFFLAPMSLILVWIMAIWVTLFQAAQFGIE-HY-----SGVEQQGIVRVVHSF 182

Qy 213 IIQVTSEFLYLPMTVIVSYLYMALRV 240  
Db 183 --QLSTFFFLAPMSLILVWIMAIWVTLFQAAQFGIE-HY-----SGVEQQGIVRVVHSF 182

Qy 45 VSVVTVPIFYGVIGRVLVCLVILORQAMKPTPTNVLFSIAVSDLIVLILGMPLEVEMW 104  
Db :  
Db 65 LSVGYALIFLAGVLNLITCIVISRNNGHTATNEYFLNIAISDMILLSGMPODLNWLW 124  
Qy 105 R - NYPPFLGVGCVFKTALEPETYCFASLISITVSVERVYALHPERAKLOSTRRALR 162  
Db 125 HDPNYP - FSPSICLESTSETAAATWITATITATFVEYYIAICHPFRQHTMKSLSRAVK 182  
Qy 163 ILGIWGRSVLPSLPLNTSLIGIKHYFPNGSLVPGSATCTVIRPMWIINPIIQTTSFLY 222  
Db 183 PIFAIWIAILIALP --- QAIQFSVVMQGM --- GTSCTMKNDFFAH -- VFAVSGELFP 232  
Qy 223 LLPMMTVISVLYYLMLARV 240  
Db 233 GGPMTAICVLYVLIGVKL 250

Search completed: February 13, 2004, 19:46:05  
Job time : 77 secs

Copyright GenCore version 5.1.6  
(c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 13, 2004, 19:34:03 ; Search time 44 Seconds  
(without alignments)  
232.710 Million cell updates/sec

Title: US-09-684-725-2

Perfect score: 1263

Sequence: 1 MEKLNQASWIVQQKLEDPPQF.....ILPMTVISVLYYMLRVS 242

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgtn2\_6/prodata/2/iaa/5A\_COMB.pep.\*  
2: /cgtn2\_6/prodata/2/iaa/5B\_COMB.pep.\*  
3: /cgtn2\_6/prodata/2/iaa/6A\_COMB.pep.\*  
4: /cgtn2\_6/prodata/2/iaa/6B\_COMB.pep.\*  
5: /cgtn2\_6/prodata/2/iaa/PCFTUS\_COMB.pep.\*  
6: /cgtn2\_6/prodata/2/iaa/backfilesl.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1252	99.1	415	4 US-09-545-944-2	Sequence 2, Appli
2	680.5	53.9	403	4 US-09-170-496D-114	Sequence 2, Appli
3	680.5	53.9	403	4 US-09-170-496D-224	Sequence 224, Appli
4	304	24.1	303	4 US-09-118-270-45	Sequence 45, Appli
5	304	24.1	353	5 PCT-US3-08328-45	Sequence 4, Appli
6	281	22.2	416	3 US-09-858-876A-4	Sequence 4, Appli
7	281	22.2	416	3 US-09-172-880-4	Sequence 10, Appli
8	277	21.9	289	3 US-09-077-675A-10	Sequence 8, Appli
9	277	21.9	289	4 US-09-077-674-10	Sequence 8, Appli
10	277	21.9	361	4 US-09-077-675A-8	Sequence 8, Appli
11	277	21.9	361	4 US-09-077-674-8	Sequence 13, Appli
12	277	21.9	366	3 US-09-077-675A-13	Sequence 13, Appli
13	277	21.9	366	3 US-09-077-674-13	Sequence 16, Appli
14	277	21.9	366	4 US-09-170-496D-88	Sequence 88, Appli
15	277	21.9	366	4 US-09-170-496D-210	Sequence 210, Appli
16	274	21.7	353	3 US-09-077-675A-3	Sequence 3, Appli
17	274	21.7	353	4 US-09-077-674-3	Sequence 3, Appli
18	274	21.7	364	3 US-09-077-675A-16	Sequence 16, Appli
19	274	21.7	364	4 US-09-077-674-16	Sequence 5, Appli
20	273	21.6	289	3 US-09-077-675A-5	Sequence 5, Appli
21	273	21.6	289	4 US-09-077-674-5	Sequence 3, Appli
22	265	21.0	393	1 US-09-072-910I-3	Sequence 3, Appli
23	262.5	20.8	259	4 US-09-261-599B-3	Sequence 3, Appli
24	262.5	20.8	259	4 US-09-156-455A-3	Sequence 3, Appli
25	259	20.5	398	2 US-08-388-663A-1	Sequence 1, Appli
26	258	20.4	410	3 US-08-358-896A-2	Sequence 2, Appli
27	258	20.4	410	3 US-09-472-880-2	Sequence 2, Appli

RESULT 2  
US-09-170-496D-14  
; Sequence 114, Application US/09170496D

Patent No. 6555339  
GENERAL INFORMATION:  
APPLICANT: Behan, Dominic P.  
APPLICANT: Chalmers, Derek T.  
APPLICANT: Liaw, Chen W.  
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-  
FILE REFERENCE: Receptors  
CURRENT APPLICATION NUMBER: US/09/170,496D  
CURRENT FILING DATE: 1998-10-13  
NUMBER OF SEQ ID NOS: 294  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 114  
LENGTH: 403  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-170-496D-114

Query Match 53.9%; Score 680.5; DB 4; Length 403;  
Best Local Similarity 56.0%; Pred. No. 8.8e-55;  
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

17 DPFQKHNSTEEYLAF-LCGPRRSHEFFPFLPVSVVYPIFYGVGNVNLCLVLIQHOAKMT 75  
13 DP--EDLNLTDEALRKYLGPQOTELMPICATYLIFVAVGNGLTLVIRHKAMRT 70

76 PTNYLFLSLAVSDLVLLGMPLTEYEMWNPFLFGPGCYCFKTAFLPFTVCPASILSIT 135  
71 PTNYLFLSLAVSDLVLLGMPLTEYEMWNPFLFGPGCYCFKTAFLPFTVCPASILSIT 130

136 TVSVYVAILHPPFRALKLQSTRRALRLLGIVWGFSLVFLPLNTSITHGIKFHYFPNGSLV 195  
131 ALSVTVAVVHPLQRSMTTRAHTRVLGAVWGLAMLSLPLNTSLHGQLHYPCRGEV 190

196 PGSATCTVIKPMWIVNFIQTSIFLYLMPTVIVSUYLMLA 241  
191 PDSAVCMLVRPRLATMNVQFTALLFCPLMAINSVLYLIGURL 235

RESULT 3  
US-09-170-496D-224  
Sequence 24, Application US/09170496D  
Patent No. 6555339  
GENERAL INFORMATION:  
APPLICANT: Behan, Dominic P.  
APPLICANT: Chalmers, Derek T.  
APPLICANT: Liaw, Chen W.  
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-  
FILE REFERENCE: Receptors  
CURRENT APPLICATION NUMBER: US/09/170,496D  
CURRENT FILING DATE: 1998-10-13  
NUMBER OF SEQ ID NOS: 294  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 224  
LENGTH: 403  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-170-496D-224

Query Match 53.9%; Score 680.5; DB 4; Length 403;  
Best Local Similarity 56.0%; Pred. No. 8.8e-55;  
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

17 DPFQKHNSTEEYLAF-LCGPRRSHEFFPFLPVSVVYPIFYGVGNVNLCLVLIQHOAKMT 75  
13 DP--EDLNLTDEALRKYLGPQOTELMPICATYLIFVAVGNGLTLVIRHKAMRT 70

76 PTNYLFLSLAVSDLVLLGMPLTEYEMWNPFLFGPGCYCFKTAFLPFTVCPASILSIT 135  
71 PTNYLFLSLAVSDLVLLGMPLTEYEMWNPFLFGPGCYCFKTAFLPFTVCPASILSIT 130

136 TVSVYVAILHPPFRALKLQSTRRALRLLGIVWGFSLVFLPLNTSITHGIKFHYFPNGSLV 195  
131 ALSVTVAVVHPLQRSMTTRAHTRVLGAVWGLAMLSLPLNTSLHGQLHYPCRGEV 190

196 PGSATCTVIKPMWIVNFIQTSIFLYLMPTVIVSUYLMLA 241  
191 PDSAVCMLVRPRLATMNVQFTALLFCPLMAINSVLYLIGURL 235

RESULT 4  
US-08-118-270-45  
Sequence 45, Application US/08118270  
Patent No. 5508384  
GENERAL INFORMATION:  
APPLICANT: Murphy, Randall B.  
APPLICANT: Schuster, David J.  
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF  
NUMBER OF SEQUENCES: 348  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Parent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/118,270  
FILING DATE: 09-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/943,236  
FILING DATE: 10-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Townsend, Kevin G.  
REGISTRATION NUMBER: 34,033  
REFERENCE/DOCKET NUMBER: MORPHY=2A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-377-3528  
TELEX: 248633  
INFORMATION FOR SEQ ID NO: 45:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 353 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-118-270-45

Query Match 24.1%; Score 304; DB 1; Length 353;  
Best Local Similarity 33.3%; Pred. No. 2.5e-20;  
Matches 68; Conservative 49; Mismatches 73; Indels 14; Gaps 5;

45 VSVYYVPVPGVGVGVNLVCLVILQH--QANKTPPNVYLESVLASDLVLLGMLEVY 101  
4 VTAIYLALFVGVGTGNSUTAFLARKSLSQHSTVHSSLAISDLILW--VELY 60

102 EMWNPFLFGPGC--YFKTALFETVCFASILSITVSVRYVAILHPPFRALKQSTRR 158  
61 NFTWHHPWAFAQGCRGYF--LRDACTYATALNVASLSVRYLAICHPPFKAKTMSRS 117

Qy 45 VSVYYVPVPGVGVGVNLVCLVILQH--QANKTPPNVYLESVLASDLVLLGMLEVY 101  
Db 4 VTAIYLALFVGVGTGNSUTAFLARKSLSQHSTVHSSLAISDLILW--VELY 60

Qy 102 EMWNPFLFGPGC--YFKTALFETVCFASILSITVSVRYVAILHPPFRALKQSTRR 158  
Db 61 NFTWHHPWAFAQGCRGYF--LRDACTYATALNVASLSVRYLAICHPPFKAKTMSRS 117

Qy 159 RAIRLGIVWGFSLVFLPLNTSITHGIKFHYFPNGSLVPGSATCTV1KPMWIVNFIQTS 218  
Db 118 RTKFKPSAIWLASALAPMMLFTLGLQR--SGDGTHPQQGLQR--SGDGTHPQQGLQR 175

Qy 219 FLFYLMLPTVIVSUYLMLA 242  
Db 176 FMSFLFPMLVISINTVIAKLT 199

Qy 136 TVSVYVAILHPPFRALKLQSTRRALRLLGIVWGFSLVFLPLNTSITHGIKFHYFPNGSLV 195

RESULT 5  
PCT-US93-08528-45  
Sequence 45, Application PC/TUS93/08528  
GENERAL INFORMATION:  
APPLICANT: New York University  
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF  
NUMBER OF SEQUENCES: 348  
CORRESPONDENCE ADDRESS:  
ADDRESSSE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/08528  
FILING DATE: 09-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/943, 236  
FILING DATE: 10-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Townsend, Kevin G.  
REGISTRATION NUMBER: 34, 033  
REFERENCE/DOCKET NUMBER: MURPHY=2 PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-528-5197  
TELEX: 248633  
SEQUENCE CHARACTERISTICS:  
LENGTH: 45:  
SEQUENCE FOR SEQ ID NO: 45:  
LENGTH: 353 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-08528-45

Query Match Score 304; DB 5; Length 353;  
Best Local Similarity 33.3%; Pred. No. 2.5e-20;  
Matches 68; Conservative 49; Mismatches 73; Indels 14; Gaps 5;

Qy 45 VSVVTPVYVGVNLVCLVILQLH--QAMKPTPNVLFSLAVSDLVLLGMPLEY 101  
Db 4 VTAIYLALFVNGTVGNVSNTAFLARKKSLQSLSLQSTVYHSSLSSLDLILW--VEYL 60

Qy 102 EMMRNPFLFGPVGC--YFKTALFETVCPASLSTSIVERYVALLHPFRAKLOSTR 158  
Db 61 NFTWHHHWWAFDAGCGCYYF--LRFACTATANVASSVRYTAICHPFKAKTLMSDS 117

Qy 159 RAIRLIGIIVWGFSLPLNTSIIGLKKEYPPNGSLVPGSATCTVYKPMWYINFQIOTS 218  
Db 118 RTKKEFISAWLISALLAIPMFLTGQN -- SGDCITHPGGLVCPIVDATKVYVQNT 175

Qy 219 FLFYLLDPMVISVYLYMLARVSI 242  
Db 176 FMSFLFPMLVISLNTVIANKLTV 199

RESULT 6  
US-08-858-876A-4  
Sequence 4, Application US/08858876A  
Patent No. 6022556  
GENERAL INFORMATION:  
APPLICANT: Daniel CAPUT  
APPLICANT: Pascale CHALON  
APPLICANT: Pascual FERRARA

RESULT 7  
US-09-472-880-4  
Sequence 4, Application US/09472880  
Patent No. 6274333  
GENERAL INFORMATION:  
APPLICANT: Daniel CAPUT  
APPLICANT: Pascale CHALON  
APPLICANT: Pascual FERRARA

TITLE OF INVENTION: Type 2 Neurotensin Receptor

RESULT 8  
US-08-858-876A-4  
Sequence 4, Application US/08858876A  
Patent No. 6022556  
GENERAL INFORMATION:  
APPLICANT: Daniel CAPUT  
APPLICANT: Pascale CHALON  
APPLICANT: Pascual FERRARA

ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:  
 FILING DATE: 09/09/1997  
 APPLICATION NUMBER: US09/472,880  
 REGISTRATION DATE: 28-Dec-1999  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 FILING DATE: 17-MAR-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Player, William E.  
 REGISTRATION NUMBER: 31,049

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 416 amino acids  
 TOPOLOGY: linear  
 TYPE: amino acid

MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-09-472-880-4

Query Match 22.2%; Score 281; DB 3; Length 416;  
 Best Local Similarity 35.3%; Pred. No. 3.8e-18;  
 Matches 72; Conservative 40; Mismatches 78; Gaps 6;

Qy 46 SVVVPPIFVGIVNVLVCLVQHAKTPINYLQSLAVSLLVLLGMPLVEWM 104  
 Db 36 TALYSLIFAGTAGNLSTVHLKARAGPGRLYHVLSALLSVSNPMELYNFV 95

Qy 104 WRNTPLFLGPGC--YFPTIALPPTVCPASLISITTVSERTVAILPFRAKLQSTERRA 160  
 Db 96 WSHYPWVFGDGLGCGYYF--VRLCAVTVLSVASYASERCAVQPLARRLLPRT 152

Qy 161 LRILGIVWGSFSVLPSPNNTSINGIKFHY-FPNSGLVPSGATCTIVKPMWYMFIOVTSF 219  
 Db 153 RRLLSLWVVASLGLAPMAMVGQREVEASDGEPEPARVCVTLVSATLQVFIQNVL 212

Qy 220 LFYLIPMTTISVL----YIYML 238  
 Db 213 VSPALPLAATFLNGITVNHML 236

RESULT 8  
 US-09-077-675A-10  
 Sequence 10, Application US/09077675A  
 Patent No. 6242199  
 GENERAL INFORMATION:  
 APPLICANT: Pai, Lee-Yuh  
 APPLICANT: Feighner, Scott C.  
 APPLICANT: Howard, Andrew D.  
 APPLICANT: Pong, Sheng-Shung  
 APPLICANT: Van Der Ploeg, Leonardus H.T.  
 TITLE OF INVENTION: RECEPTOR ASSAY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merck & Co., Inc.  
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
 CITY: Rahway  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,674  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:  
 US-09-077-675A-10

CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cocuzzo, Anna L.  
 REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19550P  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEFAX: 732-594-4720

TELEX:  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 289 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-077-675A-10

Query Match 21.9%; Score 277; DB 3; Length 289;  
 Best Local Similarity 31.7%; Pred. No. 5.9e-18;  
 Matches 66; Conservative 47; Mismatches 69; Gaps 5;

Qy 45 VSVVVPIFVGIVNVLVCLVQHAKTPINYLQSLAVSLLVLLGMPLVEWM 104  
 Db 46 VSTATCVLFVFGIVNLLTMVSVSRERLTINLYSSMAFSDLILFLC-MLDLVRLW 104

Qy 105 RNYPFFGPYGCYFTALPPTVCPASLISITTVSERTVAILPFRAKLQSTERRA 164  
 Db 105 QYRPWFGDGLKLFQVFSQSTVATVLTIALSVERTYFAICPLRKYVVTGVRVLUV 164

Qy 165 GIVNGFSLVSLPNTSINGKPHYFPNGS-----  
 Db 165 FVIVAWAFCSAGPLFVLYGEHE---NGTDPWDNECRETEFAVRSGLITVM--VWV--- 216

Qy 213 RIOTSFYFLPLMTVSYIYMLRV 240  
 Db 217 ---SSIFFPLPVCFLTVLYSLGKL 239

RESULT 9  
 US-09-077-674-10  
 Sequence 10, Application US/09077674  
 Patent No. 6531314  
 GENERAL INFORMATION:  
 APPLICANT: Arena, Joseph P.  
 APPLICANT: Cully, Doris F.  
 APPLICANT: Feighner, Scott D.  
 APPLICANT: Howard, Andrew D.  
 APPLICANT: Liberator, Paul A.  
 APPLICANT: Schaeffer, James M.  
 APPLICANT: Van Der Ploeg, Leonardus S  
 TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merck & Co., Inc.  
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
 CITY: Rahway  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,674  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:  
 US-09-077-674-10

APPLICATION NUMBER: US-09-077-674-10  
 FILING DATE: 02/09/2004  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cocuzzo, Anna L.  
 REGISTRATION NUMBER: 42,452  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEX: 732-594-4720  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 289 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

Query Match 21.9%; Score 277; DB 4; Length 289;  
 Best Local Similarity 31.7%; Pred. No. 5.9e-18;  
 Matches 66; Conservative 47; Nismatches 69; Indels 5;

Qy 45 VSVVYPIFVVGIVNVLQVCLVILQHQAMKTPNTYLFSLAVSDLIVLLGMPLEYEMW 104  
 Db 46 VTAGVLFVFGVAGNLTMVSSRERLTTNLYLSSMAFSDLIIFLC-MPLDVLRLW 99

Qy 105 RNPFLFGVPGCCYKTALEFVCPASILSITTVSVERVYAILHPRAKUQSTRRALRL 164  
 Db 105 QYRPNNFGDLCKLFQFVSESTYATVLTALSVRYAICPFLAKUTVKGRLV 164

Qy 165 GIVWGFSVLFSLPNTSIHGKIKHFYPNGS-----  
 Db 165 FVIVAFCSAGPPIFVLGVBEE--NGTDPWDINCREPTEFAVSGLLTVW-- 216

Qy 213 LIQVTSFLFYLLPMTIVSIVYLMLRV 240  
 Db 217 ----SSIFFLPVFCITVLYSLIGKL 239

RESULT 11  
 US-09-077-674-8  
 Sequence 8, Application US/09077674  
 Patent No. 6531314  
 GENERAL INFORMATION:  
 APPLICANT: Arena, Joseph P.  
 APPLICANT: Cully, Doris F.  
 APPLICANT: Feighner, Scott D.  
 APPLICANT: Howard, Andrew D.  
 APPLICANT: Liberator, Paul A.  
 APPLICANT: Schaeffer, James M.  
 APPLICANT: Van Der Ploeg, Leonardus  
 TITLE OF INVENTION: GROWTH HORMONE SECRETAGogue RECEPTOR FAMILY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merck & Co., Inc.  
 CITY: Rahway  
 STATE: NJ  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,674  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION: 526  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cocuzzo, Anna L.  
 REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19589P

REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19590P  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEX: 732-594-4720  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 361 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-09-077-675A-8  
 Query Match 21.9%; Score 277; DB 3; Length 361;  
 Best Local Similarity 31.7%; Pred. No. 7.5e-18;  
 Matches 66; Conservative 47; Nismatches 69; Indels 26; Gaps 5;

Qy 45 VSVVYPIFVVGIVNVLQVCLVILQHQAMKTPNTYLFSLAVSDLIVLLGMPLEYEMW 104  
 Db 41 VTAGVLFVFGVAGNLTMVSSRERLTTNLYLSSMAFSDLIIFLC-MPLDVLRLW 99

Qy 105 RNPFLFGVPGCCYKTALEFVCPASILSITTVSVERVYAILHPRAKUQSTRRALRL 164  
 Db 100 QYRPNNFGDLCKLFQFVSESTYATVLTALSVRYAICPFLAKUTVKGRLV 159

Qy 165 GIVWGFSVLFSLPNTSIHGKIKHFYPNGS-----  
 Db 160 FVIVAFCSAGPPIFVLGVBEE--NGTDPWDINCREPTEFAVSGLLTVW-- 211

Qy 213 LIQVTSFLFYLLPMTIVSIVYLMLRV 240  
 Db 212 ----SSIFFLPVFCITVLYSLIGKL 234

RESULT 12  
 US-09-077-674-8  
 Sequence 8, Application US/09077674  
 Patent No. 6531314  
 GENERAL INFORMATION:  
 APPLICANT: Arena, Joseph P.  
 APPLICANT: Cully, Doris F.  
 APPLICANT: Feighner, Scott D.  
 APPLICANT: Howard, Andrew D.  
 APPLICANT: Liberator, Paul A.  
 APPLICANT: Schaeffer, James M.  
 APPLICANT: Van Der Ploeg, Leonardus  
 TITLE OF INVENTION: GROWTH HORMONE SECRETAGogue RECEPTOR FAMILY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merck & Co., Inc.  
 CITY: Rahway  
 STATE: NJ  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,674  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION: 526  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cocuzzo, Anna L.  
 REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19589P

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEFAX: 732-594-4720  
 TELEX:

INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 361 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-077-674-8

Query Match Score 277; DB 4; Length 361;  
 Best Local Similarity 31.7%; Pred. No. 7.8e-18;  
 Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;

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  Query Match Score 277; DB 3; Length 366;
  Best Local Similarity 31.7%; Pred. No. 7.8e-18;
  Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
  
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Qy 45 VSVVYPIVGVIGNVCLVILQHAKMTPTNLYPSLAVSDLLVLLGMPLEYEMW 104
 Db 46 VTATCVALFVGIAGNLTLMLWSRFRERTTNLSSMADFLLFLC-MPLDLVRLW 104

Qy 45 VSVVYPIVGVIGNVCLVILQHAKMTPTNLYPSLAVSDLLVLLGMPLEYEMW 104
 Db 41 VTATCVALFVGIAGNLTLMLWSRFRERTTNLSSMADFLLFLC-MPLDLVRLW 99

Qy 105 RNPPLFGPGCYFKTALETFETVCASLISITTVSVERTVALLHPRAKLQSTRRRAIRL 164
 Db 100 QYRPNNFGDLCKLFQFVSESCYTAVTLLTALSVERFAICPLRAKVVTKGRVLVII 159

Qy 165 GIVWGFSVLSPNNTSIHGKFKHFPPNGS-----LVPGSATCTVKPMMWTFN 212
 Db 160 FVIWAVAFSGAPIVFLVGEHE--NGDPMDTNCRETEFAVRSGLITM-VWV-- 211

Qy 213 IIQVTSFLFVLPMTVISTYYMLALRV 240
 Db 212 -----SSIFFFLPVFCLTLYSLIGRL 234

RESULT 13 US-09-077-674-13
 Sequence 13, Application US/09077674
 Patent No. 6531314

GENERAL INFORMATION:  
 APPLICANT: Arna, Joseph P.  
 APPLICANT: Cully, Doris F.  
 APPLICANT: Feighner, Scott D.  
 APPLICANT: Howard, Andrew D.  
 APPLICANT: Liberator, Paul A.  
 APPLICANT: Schaeffer, James M.

APPLICANT: Van Der Ploeg, Leonardus S.  
 TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merck & Co., Inc.  
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
 CITY: Rahway  
 STATE: NJ  
 ZIP: 07065-0900  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Disquette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/077,674  
 FILING DATE: 3-JUN-1998  
 CLASSIFICATION: 536  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE: 3-JUN-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cocuzzo, Anna L.  
 REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19589P  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEFAX: 732-594-4720  
 TELEX:

LENGTH: 366 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-077-674-13

Query Match Score 277; DB 4; Length 366;  
 Best Local Similarity 31.7%; Pred. No. 7.6e-18;  
 Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;

Qy 45 VSVVYPIFYGVIGNVLVLIQLHQAMKPTPNTYFLPLAVSLVLLGMPLEYEMW 104  
 Db 46 VTATCVALFVGIAASNLLTVLVSFRERTTINLYSSMAFSPLLFLC-MPLDLVRW 104  
 Qy 105 RNPPLFGPGCYFKTALFETVCFASILSITTVSVERYTAILHPPRAKQSTRRALIL 164  
 Db 105 QYRPNFGDQLCKLFQFQVSCTATVLITLSSVRYAICPPLRAKVVTKGRVCLW 164  
 Qy 165 GIVWGFSVLFSLPNTSIHGKTFKHFPNGS-----LVPGSATCTVIKPMWYNF 212  
 Db 165 FVIWAVAFCSAGPPIFLVGVHE--NGTDPWDTNECRPTFAVRSGLLTVM--VWV-- 216  
 Qy 213 IIQVTSFLYLPMTVISTVYLMALRV 240  
 Db 217 ----SSIFFFLPVFCLTIVSLIGRK 239

RESULT 14  
 US-09-170-496D-88  
 Sequence 88, Application US/09170496D  
 Patent No. 6555339

GENERAL INFORMATION:  
 APPLICANT: Behan, Dominic P.  
 APPLICANT: Chalmers, Derek T.  
 APPLICANT: Liaw, Chen W.

TITLE OF INVENTION: No. 6555339 - Endogenous, Constitutively Activated Human G Protein-  
 FILE REFERENCE: AREN-0040  
 CURRENT APPLICATION NUMBER: US/09/170,496D  
 CURRENT FILING DATE: 1998-10-13  
 NUMBER OF SEQ ID NOS: 294  
 SOFTWARE: Patentin version 3.1  
 SEQ ID NO 88  
 LENGTH: 366  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-170-496D-88

Query Match Score 277; DB 4; Length 366;  
 Best Local Similarity 31.7%; Pred. No. 7.6e-18;  
 Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;

Qy 45 VSVVYPIFYGVIGNVLVLIQLHQAMKPTPNTYFLPLAVSLVLLGMPLEYEMW 104  
 Db 46 VTATCVALFVGIAASNLLTVLVSFRERTTINLYSSMAFSPLLFLC-MPLDLVRW 104  
 Qy 105 RNPPLFGPGCYFKTALFETVCFASILSITTVSVERYTAILHPPRAKQSTRRALIL 164  
 Db 105 QYRPNFGDQLCKLFQFQVSCTATVLITLSSVRYAICPPLRAKVVTKGRVCLW 164  
 Qy 165 GIVWGFSVLFSLPNTSIHGKTFKHFPNGS-----LVPGSATCTVIKPMWYNF 212  
 Db 165 FVIWAVAFCSAGPPIFLVGVHE--NGTDPWDTNECRPTFAVRSGLLTVM--VWV-- 216  
 Qy 213 IIQVTSFLYLPMTVISTVYLMALRV 240  
 Db 217 ----SSIFFFLPVFCLTIVSLIGRK 239

Search completed: February 13, 2004, 19:39:29  
 Job time : 46 sec

RESULT 15  
 US-09-170-496D-210  
 Sequence 210, Application US/09170496D